In re Patent Application of:

Andre et al.

Application No.: 10/782456

Filed: February 19, 2004

Confirmation No.: @@@

Art Unit: NA

Examiner: Not Yet Assigned

METHODS FOR DIAGNOSING AND TREATING HEMOSTATIC DISORDERS BY MODULATING P-

**SELECTIN ACTIVITY** 

## **U.S. PATENT DOCUMENTS**

	XAMBER INTIAL		DOCUMENT NUMBER	DATE	. NAME	CLASS	SUBCLASS	FLING DATE  IF APPROPRIATE
П	R	A1	.5,622,701	4/97	Berg	424	153.1	
Γ	T	A2	5,800,815	09/98	Chestnut et al.	424	153.1	
Γ		А3	5,807,745	09/98	Furie et al.	435	375	
r		A4 ·	5,843,707	12/98	Larsen et al.	435	69.1	
		A5	6,033,667	03/00	Chesnut et al.	424	153.1	

## **FOREIGN PATENT DOCUMENTS**

			DOCUMENT NUMBER	DATE	Country	CLASS	BUBCLASS	TRAKSL	ATION
L	L				·			YE8	NO
	$I^{-}$	A6	WO 93/06863 A1	04/93	PCT				

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

			OTTILITO (Modding Addior, Tide, Date, Fertilient Fages, Ltc.)
	A7		GenBank Acc. No. NM_003005 for Homo sapiens selectin P (granule membrane protein 140kD, antigen CD62) (SELP), mRNA 2/3(200)
	A8		GenBank Acc. No. M25322 for Human granule membrane protein-140 mRNA, complete cds 4/27
	A9		GenBank Acc. No. NM_013114 for Rattus norvegicus Selectin, platelet (Selp), mRNA ((///oo
	A1	0	GenBank Acc. No. L23088 for Rattus-norvegicus-P-selectin-mRNA, complete cds
	A1	1	GenBank Acc. No. NM_011347 for Mus musculus selectin, platelet (Selp), mRNA
	A1	2	GenBank Acc. No. M87861 for Mus musculus P-selectin protein mRNA, complete cds Y/L7 (g.
	A1	3	GenBank Acc. No. L12041 for Bovine P-selectin mRNA, complete cds 7/26/93
	A1	4	Andre, P. et al., "Pro-coagulant state resulting from high levels of soluble P-selectin in blood," Proc Natl Acad Sci USA 97(25):13835-40 (2000)
	A1	5	Auchampach, J.A., et al., "Cloning, sequence comparison and in vivo expression of the gene encoding rat P-selectin" Gene 145 (2), 251-255 (1994)
	A1	6	Berger, G. et al., "P-Selectin and platelet clearance," Blood 92(11):4446-52 (1998)
	A1	7	Bevilacqua, M., et al., "Selectins: a family of adhesion receptors," Cell 67 (2), 233 (1991)
	A1	8	Borsig, L. et al., "Heparin and cancer revisited: Mechanistic connections involving platelets, P-selectin, carcinoma mucins, and tumor metastasis," <i>Proc Natl Acad Sci USA</i> 98(6):3352-7 (2001)
	A1	9	Blann, A.D. et al., "Soluble P-selectin in atherosclerosis: a comparison with endothelial cell and platelet markers," Thromb. Haemost. 77(6):1077-80 (1997)
	7	9	Celi, et al., "P-selectin induces the expression of tissue factor on monocytes," Proc Natl Acad Sci USA 91(19):8767-71 (1994)
Éx	aminer		Date Considered

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PAUP (5000)

\*EXAMINER:

Carlinda Letter

In re Patent Application of:

Andre et al.

Application No.: 10/782456

Filed: February 19, 2004 ·

Confirmation No.: @@@

Art Unit: N/A

1644

For:

METHODS FOR DIAGNOSING AND TREATING HEMOSTATIC DISORDERS BY MODULATING P-

SELECTIN ACTIVITY

EATING Examiner: Not Yet Assigned

## **U.S. PATENT DOCUMENTS**

EXAMPLER BOTTAL	DOCUMENT NUMBER	DATE	MANE	CLASS	SUBCLASS	FILDIG DATE OF APPROPRIATE

# **FOREIGN PATENT DOCUMENTS**

.	. DOCUMENT NUMBER	DATE	DATE COUNTRY	CLASS	SUBCLASS	TRAKSLATION	
						YES	NO

1/10	B1	OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)  Ertenli, I. et al., "P-selectin as a circulating molecular marker in rheumatoid arthritis with					
		thrombocytosis," J. Rheumatol. 25(6):1054-8 (1998)					
	B2	Ferroni, P. et al., "Soluble P-selectin as a marker of platelet hyperactivity in patients with chronic obstructive pulmonary disease," <i>J. Investig. Med.</i> 48(1):21-7 (2000)					
	В3	Gurbel, P.A. et al., "Role of soluble and platelet-bound P-selectin in discriminating cardiac from noncardiac chest pain at presentation in the emergency department," <i>Am. Heart J.</i> 139(2 Pt 1):320=8 (2000)					
	B4	Hartwell, D.W. et al., "Role of P-selectin cytoplasmic domain in granular targeting in vivo and in early inflammatory responses," J. Cell Biol. 143(4):1129-41 (1998)					
	B5	Haznedaroglu, I.C. et al., "Selectins and IL-6 during the clinical course of idiopathic thrombocytopenic purpura," <i>Acta Haematol.</i> 101(1):16-20 (1999)					
	Inoue, T. et al., "Serum levels of circulating adhesion molecules after coronary angion Cardiology, 1999;91(4):236-42 (1999)						
	B7	Ishiwata, N. et al., "Alternatively spliced isoform of P-selectin is present in vivo as a soluble molecule," J. Biol. Chem. 269(38):23708-15 (1994)					
	88	Johnston, G.I., et al., "Cloning of GMP-140, a granule membrane protein of platelets and endothelium: Sequence similarity to proteins involved in cell adhesion and inflammation," Cell 56 1033-1044 (1989)					
	B9	Johnston, G.I., et al., "Structure of the human gene encoding granule membrane protein-140, a member of the selectin family of adhesion receptors for leukocytes," <i>J. Biol. Chem.</i> 265 (34), 21381-21385 (1990)					
	B10	Kopp, H.P. et al., "Concentrations of circulating P-selectin are increased in patients with newly diagnosed insulin-dependent diabetes mellitus," Exp. Clin. Endocrinol. Diabetes 106(1):41-4 (1998)					
	B11	Palabrica, T. et al., "Leukocyte accumulation promoting fibrin deposition is mediated in vivo by P-selectin on adherent platelets," <i>Nature</i> 359(6398):848-51 (1992)					
	B12	Pan, J. et al., "Characterization of the promoter for the human P-selectin gene," J. Biol. Chem. 268 (30), 22600-22608 (1993)					
M	Bia	Ridker, P.M. et al., "Soluble P-selectin and the risk of future cardiovascular events," Circulation : 103:491-5 (2001)					
Exami	ner	Date Considered					
'EXAN	AINER:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applican					

P Aux Gamber 11/16/06

In re Patent Application of:

Andre et al.

Application No.: 10/782456

Filed: February 19, 2004

Confirmation No.: @@@

Art Unit: N/A

(644

For:

METHODS FOR DIAGNOSING AND TREATING

HEMOSTATIC DISORDERS BY MODULATING P-

SELECTIN ACTIVITY

Examiner: Not Yet Assigned

### **U.S. PATENT DOCUMENTS**

EXAMPLER INTIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	·					

#### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION
					YES	NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.) Ryan, U.S. et al., "Cell-cell contact mechanisms," Curr. Opin. Immunol. 4 (1), 33-37 (1992) Sanders, W.E. et al., "Molecular cloning and analysis of in vivo expression of murine P-selectin," Blood 80(3):795-800 (1992) Smith, A. et al., "Changes in the levels of soluble adhesion molecules and coagulation factors in C3 patients with deep vein thrombosis," Thromb. Haemost. 82(6):1593-9 (1999) Strubel, N.A., et al., "Isolation and characterization of a bovine cDNA encoding a functional homolog of human P-selectin," Biochem. Biophys. Res. Commun. 192, 338-344 (1993) Weller, A., et al., "Cloning of the mouse endothelial selectins: Expression of both E- and Pselectin is inducible by tumor necrosis factor alpha," J. Biol. Chem. 267, 15176-15183 (1992) Xu, D. et al., "Elevated plasma levels of soluble P-selectin in patients with acute myocardial infarction and unstable angina. An inverse link to lipoprotein(a)," Int. J. Cardiol. 64(3):253-8 (1998)Examiner **Date Considered** 

**EXAMINER:** 

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered: Include copy of this form with next communication to applicant.

Hurs Gruga 14/18/06